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MATERIAL SAFETY DATA SHEET  
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Revised 1/17/01  
Replaces 2/22/99  
As of 2/16/01

BRIJ 35 SP  
UNIQEMA  
MSDS ID: 000320  
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1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION  
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Material Name:  
BRIJ(R) 35SP

Uniqema  
Uniqema Corporate Center  
1000 Uniqema Boulevard  
New Castle, DE 19720-2790  
Uniqema Operator (24 hr.): (302) 574-5000  
Medical Emergency (24 hr.): (888) 456-6218  
Chemical Emergency (24 hr.) - Involving Transportation  
Spills, Leaks, Fires, or Accidents: (800) 424-9300

Uniqema is an international business of Imperial Chemical Industries PLC. Uniqema Operates through ICI affiliated companies in the relevant countries, such as ICI Americas Inc., Unichema, a division of Indopco Inc., and Mona Industries in the USA.

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2 COMPOSITION/INFORMATION ON INGREDIENTS  
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Ingredients	CAS Number	Percent	OSHA PEL
POLYOXYETHYLENE (23) LAURYL ETHER	9002-92-0	90 - 100%	Not listed.

Values are not product specifications.

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3 HAZARDS IDENTIFICATION  
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General:

Limited toxicity data are available on this specific product; this health hazard assessment is based on the results of screening tests.

Emergency Overview:

Appearance: White waxy solid  
MAY CAUSE EYE IRRITATION. MAY CAUSE LOCAL EYE ANESTHESIA.

Routes of exposure: Eye contact; Skin contact; Inhalation

Symptoms of Overexposure (Acute & Chronic):

Eye contact:

This material may irritate human eyes following contact.  
Contact with this material may cause local eye anesthesia.

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3 HAZARDS IDENTIFICATION (Cont.)  
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Skin contact:

No irritation is likely to develop following contact with human skin.  
This product will probably not be absorbed through human skin.

Inhalation:

No irritation is expected to be associated with inhalation of this material.  
No toxic effects are known to be associated with inhalation of this material.

Ingestion:

This material is not likely to cause irritation upon ingestion.  
No toxic effects are expected following ingestion of this product.

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4 FIRST AID MEASURES  
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Eyes:

Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develops, have eyes examined and treated by medical personnel.

Skin:

Wash material off of the skin with plenty of soap and water. If redness, itching, or a burning sensation develops, get medical attention.

Ingestion:

DO NOT INDUCE VOMITING. Give one or two glasses of water to drink and refer to medical personnel or take direction from either a physician or a poison control center. Never give anything by mouth to an unconscious person.

Inhalation:

Remove victim to fresh air. If a cough or other respiratory symptoms develop, consult medical personnel.

Notes to Physician: Exposed subject may not be aware of eye injury after exposure to this material.

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5 FIRE FIGHTING MEASURES  
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Flashpoint and method: > 300 deg.F, 149 deg.C (C.O.C.)  
Autoignition temperature: No data.  
Flammable limits (LEL/UEL): No data.

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5 FIRE FIGHTING MEASURES (Cont.)  
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Extinguishing media:

Water fog, alcohol foam, carbon dioxide, dry chemical, halogenated agents.

Special fire-fighting protective equipment:

Self-contained breathing apparatus with full facepiece and protective clothing.

Unusual fire and explosion hazards:

None known.

Explosion data:

Sensitivity to mechanical impact: Not applicable

Sensitivity to static discharge: Not applicable

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6 ACCIDENTAL RELEASE MEASURES  
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Refer to Section 8 for proper personal protective equipment.

Steps to be taken in case material is released or spilled:

Sweep up and recover or mix material with a moist absorbent and shovel into a chemical waste container.  
Wash residue from spill area with water and flush to a sewer serviced by a permitted wastewater treatment facility.

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7 HANDLING AND STORAGE  
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Storage requirements: 50-90 deg F in original closed container.

Precautions to take during handling and storage:

Prevent eye contact.  
Normal chemical handling and storage.

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION  
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Exposure limits:

No ACGIH TLV or OSHA PEL assigned. Minimize exposure in accordance with good hygiene practice.

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION (Cont.)  
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Engineering controls:  
Use ventilation adequate to maintain safe levels.

Eye protection:  
Chemical tight goggles.

Protective clothing:  
Impervious gloves.

Respiratory protection:  
Not normally needed if controls are adequate.

Other protective equipment:  
Eyewash station in work area.

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9 PHYSICAL AND CHEMICAL PROPERTIES  
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Appearance & odor: White waxy solid  
Odor threshold: No data  
Boiling point: No data  
Melting point: ~91 deg.F, 32.78 deg.C  
Vapor pressure (mm Hg at 20 deg. C): No data  
Vapor density (air = 1): No data  
Solubility in water: Soluble  
pH: No data  
Specific gravity: 1.05  
% Volatile by volume: Negligible  
Cloud point: No data  
Viscosity: No data  
Partition Coefficient: No data  
Coefficient of water/oil distribution: No data  
Freezing point: No data

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10 STABILITY AND REACTIVITY  
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Stability:  
Stable under normal conditions.

Incompatibility:  
Oxidizing agents.

Conditions to avoid:

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10 STABILITY AND REACTIVITY (Cont.)  
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None known.

Hazardous decomposition products:

Combustion products: Carbon dioxide, carbon monoxide.

Hazardous polymerization:

Will not occur.

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11 TOXICOLOGICAL INFORMATION  
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The toxicity data listed below are based on the results of screening tests on this specific product.

Eye contact: This material was minimally irritating in rabbit eye irritation studies. A similar degree of irritation is expected following human eye contact. This material produced local eye anesthesia in rabbits.

Skin contact: This material was not a skin sensitizer in human patch tests. This material is nonirritating in rabbit dermal irritation studies. No irritation is likely to develop following contact with human skin.

Acute oral toxicity: The oral LD50 is between 5 and 15 g/kg. This material is classified as "practically nontoxic" by ingestion.

Carcinogenicity: This material is not listed as a carcinogen by OSHA, IARC, and NTP.

Reproductive toxicity/Teratogenicity: No available information.

Mutagenicity: No available information.

Toxicologically synergistic products: None known.

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12 ECOLOGICAL INFORMATION  
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No data is available on this product.

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13 DISPOSAL CONSIDERATIONS  
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Disposal method:

Discarded product is not a hazardous waste under RCRA, 40 CFR 261.

Container disposal:

Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residue from container and puncture or otherwise destroy empty container before disposal.

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14 TRANSPORT INFORMATION  
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Department of Transportation:

Not regulated.

TDG (Transportation of Dangerous Goods):

Not regulated.

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15 REGULATORY INFORMATION  
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TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:

All ingredients are on the TSCA Chemical Substance Inventory.

DSL (Canadian Domestic Substances List):

All ingredients are listed on the Canadian DSL.

OSHA Hazard Communication Standard, 29 CFR 1910.1200, Hazard Summary:

Physical Hazards: None.

Health Hazards: Irritant (eye); Causes eye anesthesia.

WHMIS Classification:

Noncontrolled (Nonhazardous).

CERCLA and SARA Regulations (40 CFR 355, 370, and 372):

This material contains the following chemicals subject to the reporting requirements of SARA 313:

\*\*\*\* NO SARA 313 CHEMICALS FOR THIS CHEMICAL \*\*\*\*

SARA 311/312 Hazard Categories:

Immediate: YES

Delayed: NO

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15 REGULATORY INFORMATION (Cont.)  
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Fire: NO  
Pressure: NO  
Reactivity: NO

State Regulations:

California Proposition 65: WARNING. This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

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16 OTHER INFORMATION  
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We assigned NFPA ratings and HMIS ratings to this product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product MSDS.\*

HMIS Information

Health 1  
Flammability 1  
Reactivity 0

NFPA Information

Health 1  
Flammability 1  
Reactivity 0

\*This information is intended solely for the use of individuals trained in the particular hazard rating system.

This Material Safety Data Sheet was prepared by ICI Surfactants' Regulatory Services Department.

Date: 11/10/97

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